

RECEIVED  
CENTRAL FAX CENTER  
JUN 11 2007

05:26:40 p.m.

06-11-2007

9 /10

4115-197

### REMARKS

The specification has been amended herein to claim the benefit of priority of International Patent Application No. PCT/US2005/002745 filed 31 January 2005 in the name of Harold J. Schreier and Yossi Tal for **"DISSIMILATORY SULFATE REDUCTION AS A PROCESS TO PROMOTE DENITRIFICATION IN MARINE RECIRCULATING AQUACULTURE SYSTEMS,"** which claims the benefit of priority under 35 USC §119(e) of U.S. Provisional Patent Application No. 60/540,566 filed 30 January 2004.

In addition, claims 1, 5 and 11 have been amended to remove "means-function" language therefrom, and new claims 18-20 have been added, to place the application in suitable form for examination. No new matter (35 USC §132) has been added.

New claim 18 is of independent form, and claims a method for reducing and/or removing nitrogenous species from a marine recirculating aquaculture system, in terms similar in substance to claim 1 as amended, but with recital of specific rearing, filtering, sulfate reducing, sulfide oxidizing and nitrate reducing, ammonia reducing and recycling steps, and without recital of tankage structure set forth in claim 1. New claim 19 is of dependent form under claim 18, and recites that the step of reducing ammonia is carried out in a moving bed bioreactor (MBB), a feature recited in claim 1 of the application. New claim 20 likewise is of dependent form under claim 18, and recites the microbial species that also are recited in claims 2 and 3.


4115-197

It is requested that examination and prosecution of this application proceed on the basis of the now-pending claims 1-20 of the application, as amended/added herein.

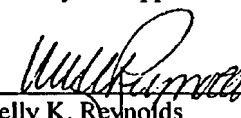
No fees are believed to be due for the filing of this paper. However, should any fees be required or an overpayment of fees made, please debit or credit our Deposit Account No. 08-3284, as necessary.

Respectfully submitted,

Date: June 11, 2007

  
\_\_\_\_\_  
Steven J. Hultquist  
Reg. No. 28,021  
Attorney for Applicants

Date: 6/11/07

  
\_\_\_\_\_  
Kelly K. Reynolds  
Reg. No. 51,154  
Attorney for Applicants

INTELLECTUAL PROPERTY/  
TECHNOLOGY LAW  
Phone: (919) 419-9350  
Fax: (919) 419-9354  
Attorney File No.: 4115-197

The USPTO is hereby authorized to charge any deficiency or credit any overpayment of fees properly payable for this document to Deposit Account No. 08-3284